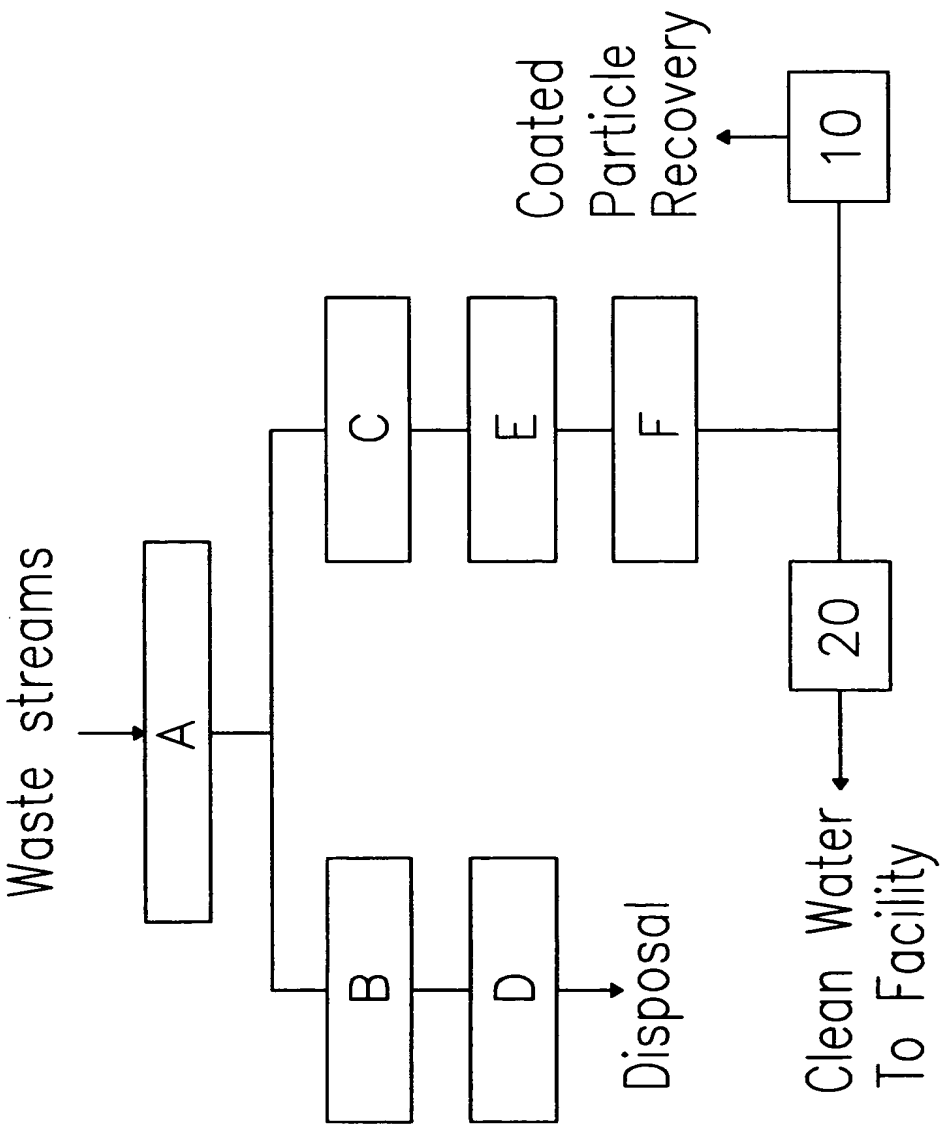
Waste streams
A
B
C
D
E
F
Disposal
Coated
Particle
Recovery
10
20
Clean Water
To Facility

FIG.1

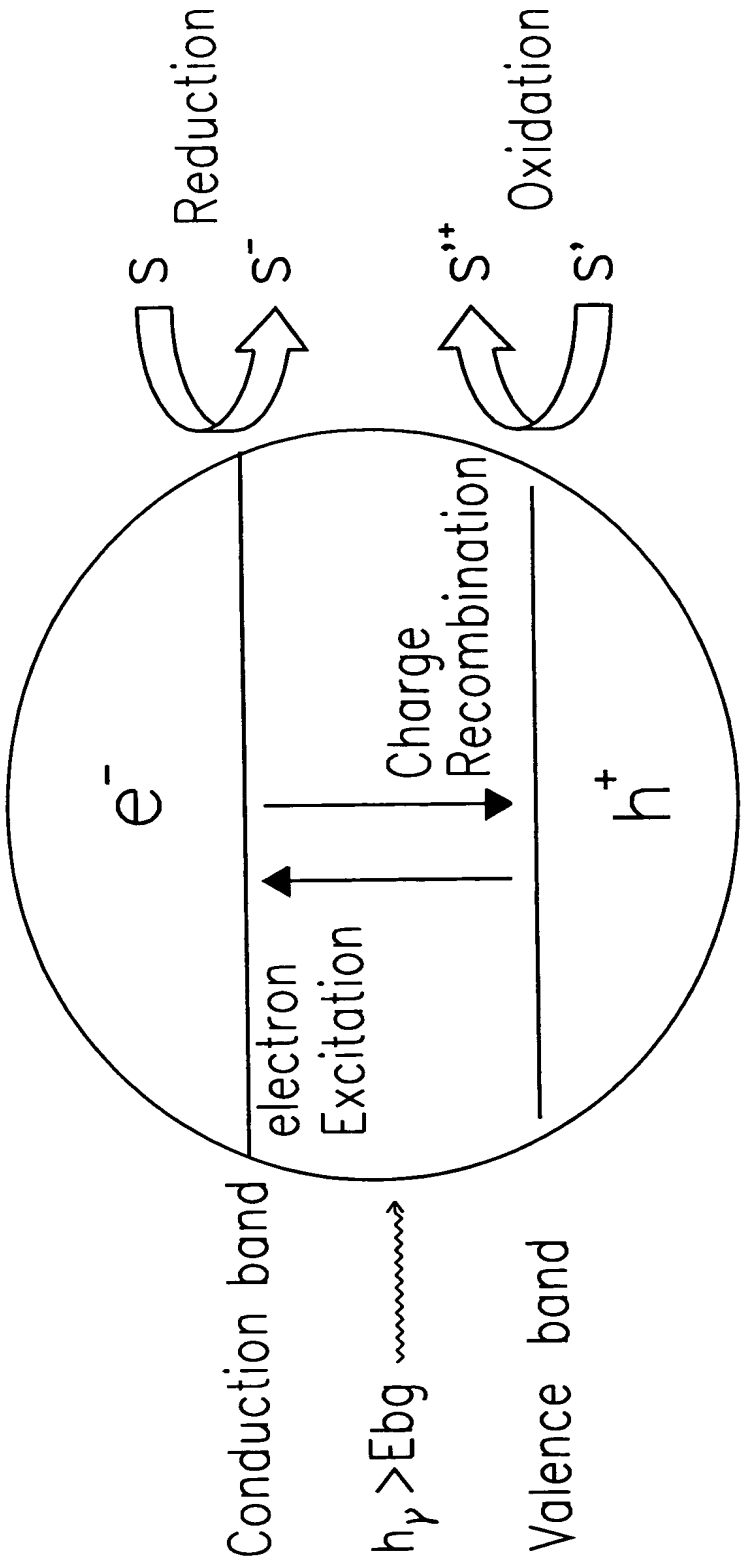
S
Reduction
S⁻
S⁺
Oxidation
S'
e⁻
Charge
Recombination
h⁺
electron
Excitation
Conduction band
hν >Ebg
Valence band
TiO2 —hr→ TiO2(e⁻, h⁺)

FIG.2